

Title (en)  
WIRELESS ROUTER ASSISTED SECURITY HANDOFF (WRASH) IN A MULTI-HOP WIRELESS NETWORK

Title (de)  
UNTERSTÜTZTES SICHERHEITS-HANDOFF MIT DRAHTLOSEM ROUTER (WRASH) IN EINEM DRAHTLOSEN MEHRSPRUNGNETZWERK

Title (fr)  
TRANSFERT DE SECURITE ASSISTE PAR ROUTEUR HERTZIEN (WIRELESS ROUTER ASSISTED SECURITY HANDOFF / WRASH) DANS UN RESEAU HERTZIEN A SAUTS MULTIPLES

Publication  
**EP 1974553 A2 20081001 (EN)**

Application  
**EP 06846635 A 20061215**

Priority  
• US 2006062138 W 20061215  
• US 32372705 A 20051230

Abstract (en)  
[origin: US2007153739A1] A wireless router assisted security handoff method ( 300 ) includes an efficient layer 2 security handoff for an infrastructure-based mobile multi-hop wireless network. The handoff is assisted with a wireless router ( 311 ) which is the first hop from the mobile station ( 301 ) to the new access point ( 307 ). The security context from the old access point ( 303 ) is first delivered to the mobile station ( 301 ) in a secure manner. The first handoff message ( 309 ) from mobile station ( 301 ) to the new access point ( 307 ) has three roles namely, re-association request, security context delivery and new session key generation handshaking. The first hop wireless router ( 311 ) vouches the freshness of the message contents and tunnels the message securely to the new access point ( 307 ). The second message ( 315 ) from the new access point ( 307 ) to the mobile station ( 301 ) completes the handoff process.

IPC 8 full level  
**H04W 4/00** (2009.01); **H04W 12/00** (2009.01); **H04W 12/08** (2009.01); **H04W 36/00** (2009.01)

CPC (source: EP KR US)  
**H04L 9/065** (2013.01 - KR); **H04W 12/03** (2021.01 - EP US); **H04W 12/04** (2013.01 - EP US); **H04W 12/08** (2013.01 - EP KR US); **H04W 36/0038** (2013.01 - EP KR US); **H04W 40/24** (2013.01 - KR); **H04L 63/0428** (2013.01 - EP US); **H04W 36/08** (2013.01 - EP KR US)

Cited by  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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